

PHENIX WEEKLY PLANNING



12/31/2009

Don Lynch

Ongoing Tasks for Run 10

Task

Start Date

End Date

Install rack components in RPC3 N racks

in progress

1/31/09

Attach cables to RPC3 N racks and to Detector $\frac{1}{2}$ octants

in progress

1/31/09

Install heaters and thermostat(s) for RPC3N thermal control

in progress

1/31/09

AH Crane 110 switch for lockout

In Progress

6/30/09

Send mass flowmeters out for recalibration (DC/PC, MuID, TOF.W)

In Progress

12/31

PHENIX Startup Checklist Status

Item

Responsibility

Status

Item 1: ESRC relevant items completed

Wood Stairs

Phillips

Post Start

Update Work procedures

Cirigliaro, Lynch

Post Start

Item 2: Bypass Switch Arc Label

Giannotti

Post Start

Item 3: Storage Area lighting/signage

Lynch

Done

Item 4: HBD Mock Up

Lynch

After Run 10

Item 11: Fire Pull Box

Philips

Post Start

Item 12: Dumb Waiter

Lynch

Waiting For
LSC Response

12/17/2009

This Week

Not much to report: A/C problems fixed, Water temp problems fixed, beam development continues

TECHNICAL SUPPORT NOON

VTX Major Procurement Items and Tasks:

Be Beampipe (Brush Wellman)

Inner BP Transitions, Outer BP Transitions & BP Spool (CS Outsource)

Beampipe Installation Plan

NEG Coating of all BP parts (CERN)

BP Supports (PHENIX)

Assembled VTX Barrel $\frac{1}{2}$'s (BNL/LANL PHENIX)

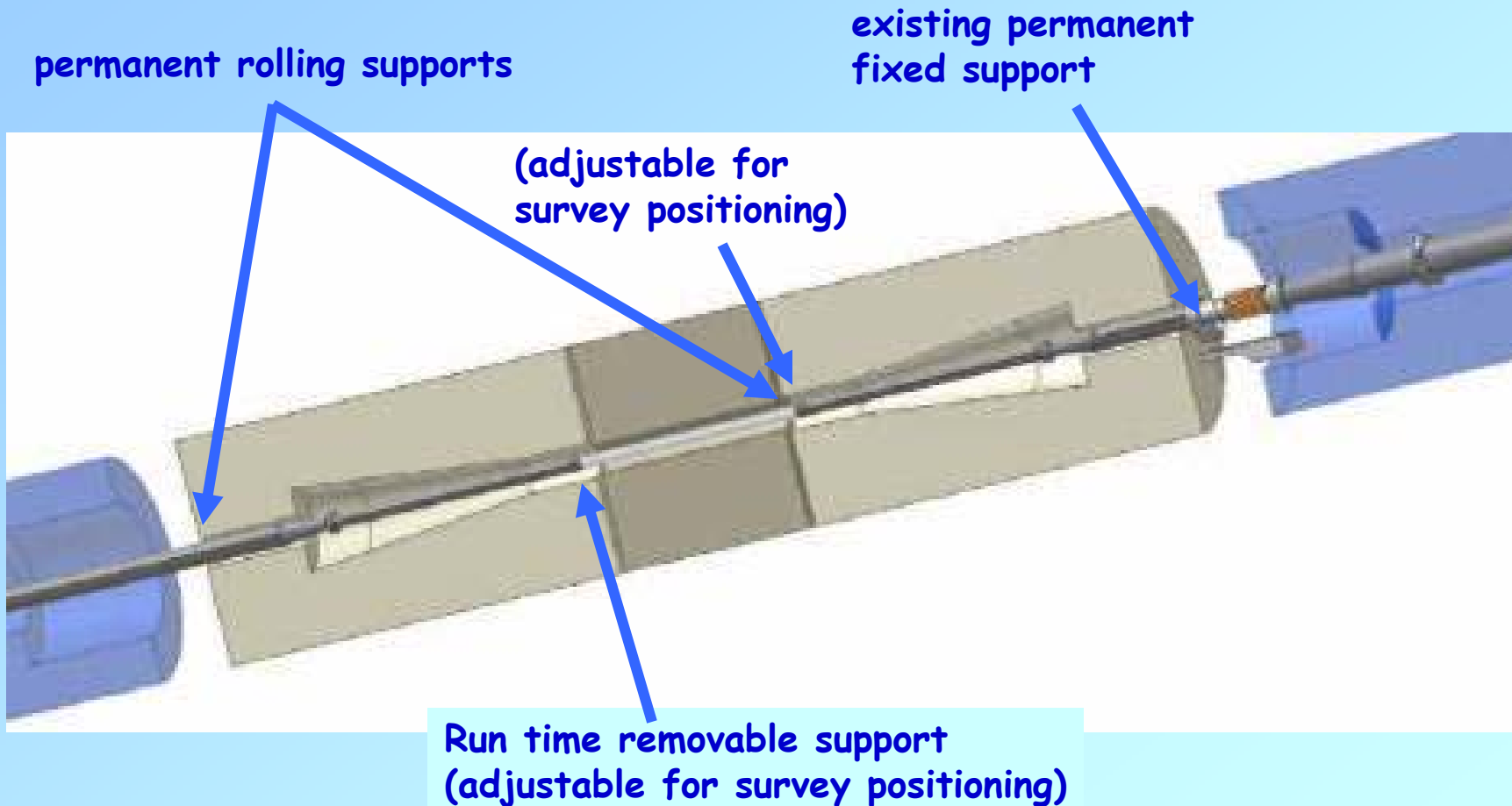
Chiller (TBD)

VTX support structure (PHENIX)

Electronics (PHENIX)

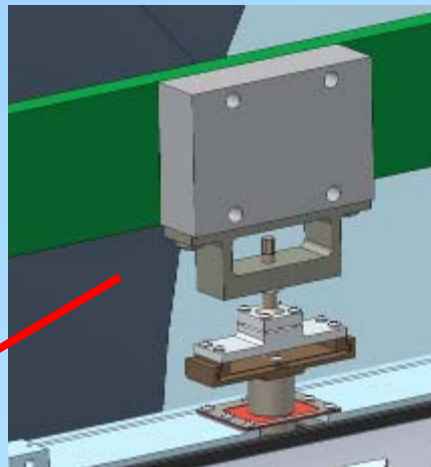
Racks (PHENIX)

Beampipe supports



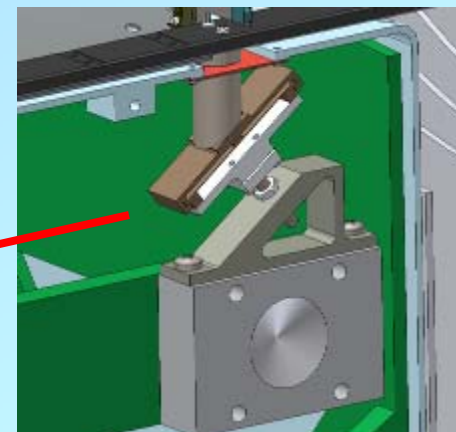
VTX Installation

Kinematic mounts for mating east and west detector halves

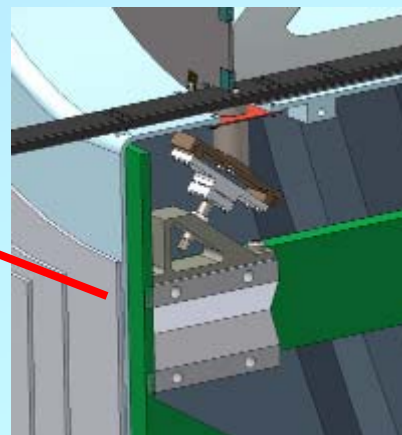


2 DOF (Y & Z)

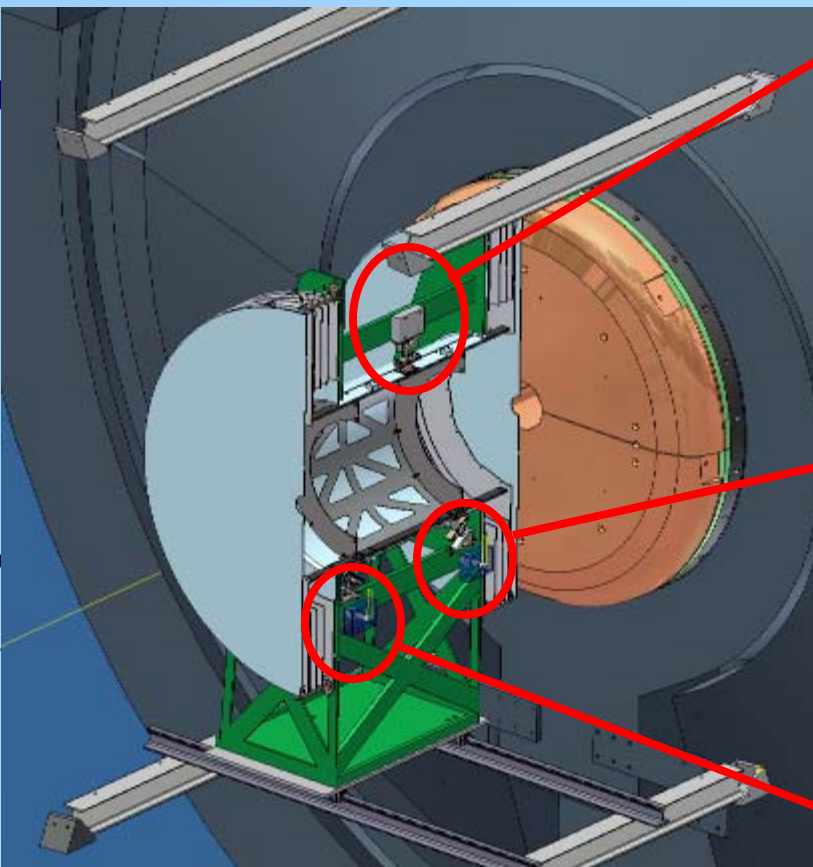
0 DOF



6 interface points
w/ HYTEC



1 DOF (Z)



12/17/2009

RPC3 North and South Review Meeting

- Discuss challenges of RPC3 South
- Discuss Lessons learned from RPC3 North
- Review all related drawings (53 drawings)
- 33 OK as is
 - 14 need minor modifications
 - 5 complete redesign
 - 1 obsolete
- Review overall schedule
 - Preparations during run 10
 - Site Preparation
 - Installation



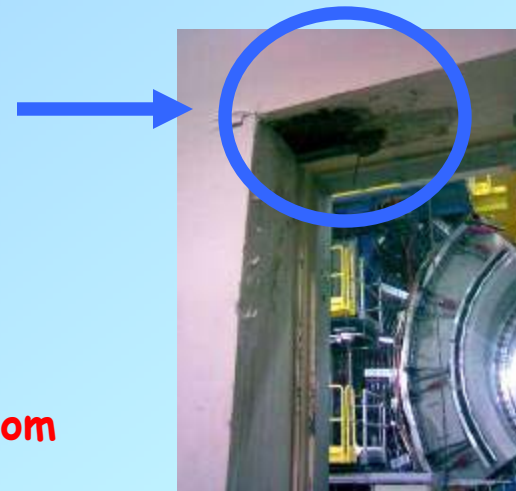
Next Week

- Holidays over back to work
- No scheduled maintenance days, 1st maintenance day ??
- RPC factory support
- VTX/RPC3 South engineering/design and planning
- RPC3 North electronics and environmental controls/monitoring as access becomes available
- Technical support for run 10 as required

TECHNICAL SUPPORT NOON

2009 Building Maintenance Issues

- Roof leaks in utility bathroom at northwest corner behind tech offices, over door between rack room and assembly hall **and over door between control room and elect. ass'y room.**
- Heat wrap tape for trailer bathroom toilet drains to prevent freeze/clogging in winter.
- General maintenance for Trailer Offices and Gas Mixing House stairs, ramps and siding, gutters, etc. (cleaning and repairing worn/rotted wood): Carter has placed work orders



Run 10 and shutdown 2010 Tasks

Start Date End Date

Run 10	In progress	6/1
VTX Fabrication and Installation Plan (1st Draft)	Done	Done
RPC3 South Fabrication and Installation Plan (1 st Draft)	Done	Done
Receive New Beampipe	On Order	1/31
Design Beam pipe supports	In progress	1/15
Update RPC3 N design for RPC3 S	In progress	1/15
Design support structure, alignment scheme for VTX	In progress	1/31
Fabricate beam pipe supports	1/15	4/1
Beampipe NEG coating (CERN)	2/1	5/1
Fabricate/procure parts for RPC3 S installation	1/1	4/1
Fabricate/procure parts for VTX installation	2/1	5/1
End of run 10	6/1	6/1
Prep IR for shutdown	6/1	7/1
Complete unfinished business for MuTrgr FEE & RPC3 North	6/1	8/1
Install Beam pipe	7/1	10/1
Install VTX	8/1	10/1
Install RPC3 South	6/1	10/1

4. PHENIX Procedure Review Current Status:

147 Procedures Identified

- 80 Made Inactive (not currently in use, will require revision to re-activate if and when necessary, available for reference purposes)
 - 12 CAD procedures relevant to PHENIX, all are current and up-to-date.
All currently under review,
3 to be de-activated
 - 40 PHENIX approved procedures.

2 are currently under review
38 are current and up-to-date
 - 15 Proposed/Draft Procedures (never previously formalized)
- New Spreadsheet Tracking Application to keep track of Procedure revisions and updates. Web retrieval of latest procedures soon.

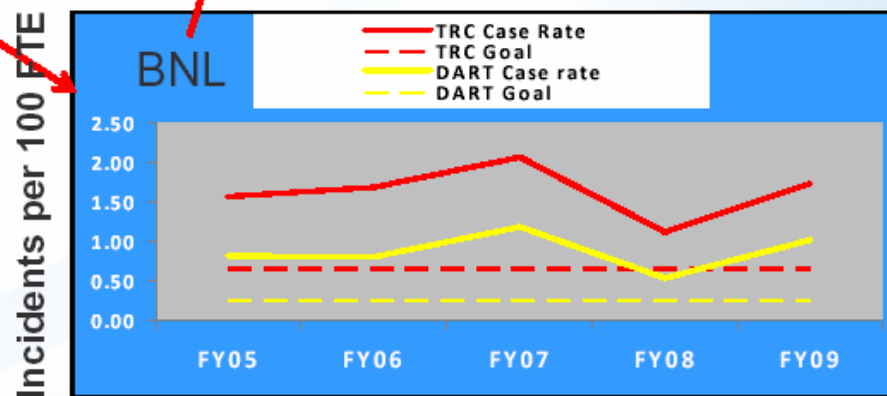
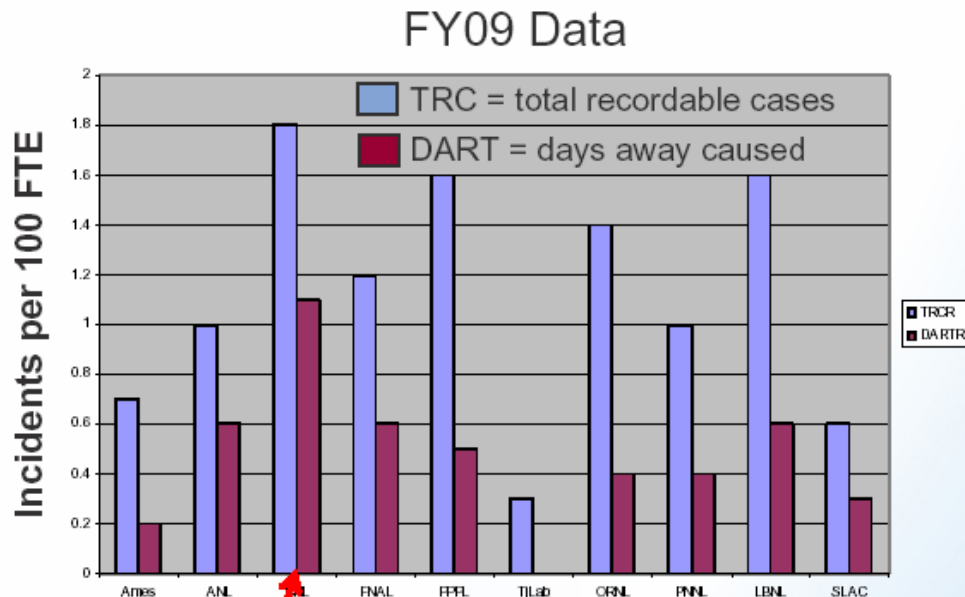
1. Gas alarm at RPC Factory: all systems worked properly, all RPC personnel responded appropriately. (Referred to by CAD safety as "an interesting event", and is being treated as an "SC BNL Management Concern". Renewed Blue-sheets for factory. Paul to sign off by Monday.
2. Snow today - slippery surfaces everywhere. Multiple accidents on site already. Drive slow watch out for the other guy.
3. Nuclear and Particle Physics Directorate all hands meeting Wednesday Dec. 23.

Essence of the talk: Safety Affects us all. It is up to each one of us to maintain a safe work place. If we take care of the little things, we will prevent big problems.

4. Injured Rigger Judgement of needs (JON's): better Facility Management, better work planning, better engineering planning, better legacy facility evaluation planning, better configuration management, better feedback to management, better commitment from senior management to support institutional values, etc. BHSO needs to better communicate ISM expectations to BSA.

BNL-Wide Injury Statistics

- Our overall injury rates continue to be among the highest among the DOE Science Labs
- The message of this graph: we have hit a plateau as a Lab in our safety performance and we need to get to a new level



Have a Happy and Safe New Year !!

Go Jets !!



Links for the weekly planning meeting slides, archives of past meeting slides, long term planning, pictures, videos and other technical info can be found on the PHENIX Engineering web site:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

